

Applicant: Magerl et al.
Application No.: 09/701,104

IN THE CLAIMS

1. - 2. (Canceled)

3. (Currently amended) Component according to claim 19, wherein the composite is prefabricated as a profiled rod material comprising carbon fibers.

4. (Previously presented) Component according to claim 19, wherein the composite further comprises PAEK (poly-aryl-ether ketone).

5. (Previously presented) Component according to claim 3, wherein the carbon fibers and the X-ray absorbing fibers are designed as continuous fibers and/or fibers with a length exceeding 3 mm.

6. (Previously presented) Component according to claim 19, wherein the fibers are enveloped by a matrix material.

7. (Previously presented) Component according to claim 19, wherein the X-ray absorbing fibers comprise a nonmagnetic material.

8. (Previously presented) Component according to claim 19, wherein the X-ray absorbing fibers are made from materials selected from the group consisting of: tantalum, tungsten, gold, and platinum.

9. (Canceled)

Applicant: Magerl et al.
Application No.: 09/701,104

10. (Previously presented) Component according to claim 19, wherein the fibers are oriented differently depending on the longitudinally or transverse oriented alignment of the component (1, 18).

11. (Canceled)

12. (Previously presented) A component made from a composite of polymer or ceramic material comprising:

X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the component (1, 18) in a defined manner to provide X-ray visibility control for the component; and

carbon fibers, wherein a total fiber percentage in the composite remains constant over a length or width of the component, which changes a ratio of carbon fibers (6) to X-ray absorbing fibers (6).

13. (Previously presented) Component in the form of a connecting element according to claim 19, wherein the stiffness of the connecting element can be varied by varying the orientation of fibers from a force application point toward a free end of the component.

14. (Cancelled)

15. (Previously presented) Component in the form of a strip or plate assembly part made from a composite of polymer or ceramic material comprising:

Applicant: Magerl et al.
Application No.: 09/701,104

X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the component (1, 18) in a defined manner to provide X-ray visibility control for the component;

wherein a concentration of fibers (6) is present in an area (A) of one or more recesses (14) or holes in the component (18), and wherein the percentage of the X-ray absorbing fibers is reduced in the area (A).

16. – 18. (Canceled)

19. (Previously presented) A component made from a composite of polymer or ceramic material comprising:

reinforcing fibers, wherein at least some of the reinforcing fibers are X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the component (1, 18) in a defined manner to provide X-ray visibility control for the component, a concentration of the X-ray absorbing fibers is varied in different areas of the component.